**[Reverse Words in a String](https://leetcode.com/problems/reverse-words-in-a-string/)**

**public** **class** ReverseWordsInString {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.***out***.println(*reverseWords*("the sky is blue"));

}

**public** **static** String reverseWords(String s) {

**if**(s == **null** || s.length() == 0) {

**return** s;

}

s = s.trim();

**int** i = s.length() - 1;

StringBuilder str = **new** StringBuilder();

**while**(i >= 0) {

**while**(i >= 0 && s.charAt(i) == ' ') {

i--;

}

**int** j = s.lastIndexOf(' ', i);

**if**(j == - 1) {

str.append(s.substring(0, i + 1));

}

**else** {

str.append(s.substring(j + 1, i + 1));

str.append(" ");

}

i = j - 1;

}

**return** str.toString();

}

}

Time complexity : O(n) , n is length of given string

Space Complexity : O(n) , n is length of given string